taternational Application No TCT/GB2004/002779

C12N5/10

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/62 C12N15/63 C12N9/02 C07K19/00
C12P21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, BIOSIS, EMBASE, WPI Data, PAJ

WO 98/36081 A (ANGELIS DINO A DE ; SLOAN KETTERING INST CANCER (US); MIESENBOCK GERO) 20 August 1998 (1998-08-20) page 38, paragraph 3	1-6, 10-13, 15-19, 22,23 7-9,20, 21,24-29
figure 13	21,24 23
DATABASE EMBL 'Online! 18 November 1997 (1997-11-18), "Vargula hilgendorfii luciferase mRNA, complete cds." XP002310858	1-6, 10-13, 15-19, 22,23
EM_PRO:U89490 Database accession no. U89490 abstract	7-9,20, 21,24-29
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Y Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance.	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 E earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed 	 "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
16 December 2004	0 9. 05. 2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Tudor, M

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		TO CLAIM NO.	
	-& MIESENBÖCK G ET AL: "Patterns of synaptic activity in neural networks recorded by light emission from synaptolucins." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. 1 APR 1997, vol. 94, no. 7, 1 April 1997 (1997-04-01), pages 3402-3407, XP002310857 ISSN: 0027-8424 abstract page 3402, right-hand column, paragraph 3 page 3403, left-hand column, paragraph 6 - right-hand column, line 7			
	page 3403, right-hand column, lines 20-16, paragraph 3			
Α	DATABASE UniProt 'Online! 1 June 2001 (2001-06-01), SZENT-GYORGYI C.S., BRYAN B.J.: "Luciferase (Gaussia princeps)." XP002310860 retrieved from EBI accession no. UNIPROT:Q9BLZ2 Database accession no. Q9BLZ2 abstract		1-29	
A	US 6 232 107 B1 (SZENT-GYORGYI, C.; BRYAN, B.) 15 May 2001 (2001-05-15) column 58, line 57 - line 60		1-29	
A	WO 02/46430 A (AMITAI HAGIT ; CHITLARU EDITH (IL); APPLIED RESEARCH SYSTEMS (NL)) 13 June 2002 (2002-06-13) figure 1; examples 1,2			
l				

International application No. PCT/GB2004/002779

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: .
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple Inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-26, 28, 29 (completely), 27 (partially)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-26,28,29 (completely), 27 (partially)

Methods of producing a target protein using nucleic acids which encode a chimaeric protein comprising a signal peptide from a non-mammalian bulk-secreted protein and said target protein; a nucleic acid encoding said chimaeric protein; a vector comprising said nucleic acid; a host cell comprising said nucleic acid or said vector; a method of obtaining a target protein using said host cells; a kit comprising said vector and said cell.

2. claim: 27 (partially)

A method of producing a target protein using nucleic acids which encode a chimaeric protein comprising a signal peptide from a mammalian bulk-secreted protein and said target protein.

Information on patent family members

T/GB2004/002779

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